

830-4 LAYING BRICK

Dampen brick when necessary to reduce the rate of absorption. Build brick masonry plumb and true to the required dimensions. Place a header course approximately mid height of the structure in structures less than 9 courses high. Place a header course every third course on structures 9 courses high or higher. Use other types of bonding where indicated in the plans.

Completely fill brick joints and cavities with mortar. Make mortar joint thickness at least 3/8" and no more than 5/8". Finish joints that will remain exposed after backfill with a concave jointer. Flush cut all other joints.

Use spalls or bats only when shaping around irregular openings or when unavoidable to finish out a course. Place a full brick at the corner and place the bat in the interior of the course when necessary to finish out the course.

Clean spilled mortar from exposed exterior surfaces not backfilled.

830-5 PROTECTION FROM COLD WEATHER

Do not place masonry when the temperature is below 35°F unless adequate protection is provided by a pre-approved method.

When it is anticipated that the atmospheric temperature will fall below 35°F protect masonry, in accordance with Subarticle 420-7(C), for at least 3 curing days.

Define a "curing day" as any consecutive 24 hour period, beginning when the last masonry unit is placed in the completed structure, during which the air temperature adjacent to the structure does not fall below 40°F.

830-6 MEASUREMENT AND PAYMENT

There will be no direct payment for the work covered by this section.

Payment at the contract prices for the various items covered by those sections of the *Standard Specifications* directly applicable to the work being constructed will be full compensation for all work covered by this section.

SECTION 832**REINFORCED BRICK MASONRY CONSTRUCTION****832-1 DESCRIPTION**

This work shall consist of the general requirements for all reinforced brick masonry construction. The requirements of Section 838 will prevail over any conflicting requirements of this section.

832-2 CONCRETE CONSTRUCTION

Construct concrete footings and all other concrete elements of the structure in accordance with Section 825. Furnish and place reinforcement as shown in the plans and in accordance with Section 425. Use Class A concrete for footings unless otherwise indicated in the plans. Use Class B concrete in reinforcement cavities. Rod Class B concrete in reinforcement cavities to provide a dense, homogeneous concrete. Do not vibrate.

832-3 MORTAR

Machine mix mortar that meets Article 1040-9 for at least 90 seconds. Remove and dispose of any mortar that has developed initial set or lost plasticity.

832-4 LAYING BRICK

Dampen brick when necessary to reduce the rate of absorption. Construct the type of bond called for in the plans. Build reinforced brick masonry plumb and true to the required dimensions.

Section 834

Lay brick with completely filled mortar joints. Make mortar joint thickness at least 3/8" and no more than 5/8". Finish joints that will remain exposed after backfill, with a concave jointer. Flush cut all other joints.

Use spalls or bats only when shaping around irregular openings. Place a full brick at the corner and place the bat in the interior of the course when necessary to finish out a course.

Clean spilled mortar from exposed exterior surfaces not backfilled.

832-5 PROTECTION FROM COLD WEATHER

Refer to Article 830-5.

832-6 MEASUREMENT AND PAYMENT

There will be no direct payment for the work covered by this section.

Payment at the contract unit prices for the various items covered by those sections of the Specifications directly applicable to the work being constructed will be full compensation for all work covered by this section.

SECTION 834 BLOCK MASONRY CONSTRUCTION

834-1 DESCRIPTION

This work consists of constructing concrete block masonry. The requirements of Sections 840, 858 and 859 will prevail over any conflicting requirements of this section.

834-2 CONCRETE CONSTRUCTION

Construct concrete footings and all other concrete elements of the structure in accordance with Section 825.

834-3 MORTAR

Machine mix mortar in accordance with Article 1040-9 for at least 90 seconds. Remove and dispose of any mortar that has developed initial set or has lost plasticity.

834-4 LAYING CONCRETE BLOCK

Build block masonry plumb and true to the required dimensions. Stagger vertical joints. Set the block with the cells vertical. Spread mortar on the bearing members and fill the vertical joints with mortar. Dampen block when necessary to reduce the rate of absorption.

Make joints straight, level, plumb, and neat at intersection. Make mortar joint thickness at least 3/8" and no more than 5/8". Finish joints that will remain exposed after backfill, with a concave jointer. Flush cut all other joints. Clean exposed exterior surfaces of spilled mortar that are not backfilled.

834-5 PROTECTION FROM COLD WEATHER

Refer to Article 830-5.

834-6 COMPENSATION

There will be no direct payment for the work covered by this section.

Payment at the contract prices for the various items covered by those sections of the *Standard Specifications* directly applicable to the work being constructed will be full compensation for all work covered by this section.